

# Sequachee Valley News.

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## GRAPE ENEMIES.

### The Phylloxera.—History and Habits.

The phylloxera was carried to France about 1859, on rooted American vines, and has since spread through the principal vine districts of southern Europe, extending also into Algeria and through southern Russia into the adjoining countries of Asia. It has also been carried to New Zealand and south Africa. In this country it was at first known only in the region east of the Rocky Mountains, but was after found in California, where, however, it is confined practically to the vine districts of the Napa and Sonoma valleys.

The life cycle of the phylloxera is a complicated one. It occurs in four forms in the following order: The leaf-gall form (gallicola), the root or destructive form (radicicola), the winged or colonizing form, and the sexual form. The leaf-gall insect produces from 500 to 500 eggs for each individual, the root-inhabiting insect not much above 100 eggs, the winged insect from 3 to 8, and the last or sexed insect but 1 egg. This last is the winter and may be taken as a starting point of the life cycle. It is laid in the fall on old wood, and hatches, the spring following, into a louse, which goes at once to a young leaf, in the upper surface of which it plants its beak. The sucking and irritation soon cause a depression to form about the young louse, which grows into a gall projecting on the lower side of the leaf. In about fifteen days the louse becomes a plump, orange-yellow, full-grown, wingless female, and fills its gall with small yellow eggs, dying soon after. The eggs hatch in about eight days into young females again, like the parent, and migrate to all parts of the vine to form new galls. Six or seven generations of these wingless females follow one another throughout the summer, frequently completely studding the leaves with galls. With the approach of cold weather the young pass down the vines to the roots, where they remain dormant until spring. The root is then attacked and a series of subterranean generations of wingless females is developed. The root form differs but slightly from the inhabitant of the leaf galls, and the swellings or excrescences on the roots are analogous to those on the leaves.

During late summer and fall of the second year some of the root lice give rise to winged females which escape through cracks in the soil on warm bright days and fly to neighboring vines. These winged lice lay their eggs within a day or two in groups of two or four in cracks in the bark or beneath loose bark on the old of the vine and die soon after. The eggs are of two sizes, the smaller or fewer in number yielding males in nine or ten days, and the larger the females of the only sexed generation developed in the whole life round of the insect. In this last and sexed stage the mouth parts of both sexes are rudimentary, and no food at all is taken. The insect is very minute and resembles the newly hatched louse of either the gall or the root form. The single egg of the larva-like female after fertilization rapidly increase in size until it fills the entire body of the mother and is laid within three or four days,

bringing us back to the winter egg or starting point.

This two-year old life is not necessary to the existence of the species and the root form may and usually does go on in successive broods year after year, as in the case with European vines, on the leaves of which galls rarely occur. Under exceptional circumstances all of the different stages may be passed through in a single year. The young from leaf galls may also be easily colonized on the roots, and it is probable that the passage of the young from the leaves to the roots may take place at any time during the summer. The reverse of this process, or the migration of the young directly from the roots to the leaves has never been observed.

The complicated details noted above were only obtained after years of painstaking research, conducted by the late Professor Riley in this country and many careful investigators in France.

The distribution of phylloxera is, first, by means of the winged females; second, by the escape, usually in late summer, of the young root lice through cracks in the soil and their migration to neighboring plants; third, by the carrying of the young leaf-gall lice by winds or other agencies, such as birds or insects, to distant plants; fourth, by the shipping of infested rooted plants or cutting with winter eggs. By the last means the phylloxera has gained a world-wide distribution; the others account for local increase.—Agricultural Department.

(To be continued.)

### Churning Done In One Minute.

I have tried the Lightning Churn you recently described in your paper, and it is certainly a wonder. I can churn in less than one minute, and the butter is elegant, and you get considerably more butter than when you use a common churn. I took the agency for the churn here and every butter maker that sees it buys one. I have sold three dozen and they give the best of satisfaction. I know I can sell 100 in this township, as they churn so quickly, make so much butter than common churns and are so cheap. Some one in every township can make two or three hundred dollars selling these churns. By addressing J. F. Casey & Co., St. Louis, you can get circulars and full information so can make big money right at home. I have made \$80 in the past two weeks and I never sold anything before in my life.

A FARMER. Sep 3, 1896

### The New Hook Spoon Free to All.

I read in the Christian Standard that Miss A. M. Fritz, Station A., St. Louis, Mo., would give an elegant plated hook spoon to anyone sending her ten 2-cent stamps. I sent for one and found it so useful that I showed it to my friends, and made 13.00 in two hours, taking orders for the spoon. The hook spoon is a household necessity. It cannot slip into the dish or cooking vessel, being held in the place by a hook on the ock. The spoon is something that housekeepers have needed ever since spoons were first invented. Anyone can get a sample spoon by sending ten 2-cent stamps to Miss Fritz. This is a splendid way to make money around home.

Very truly, Jeannette S. S. 3 13t

## LOCAL.

Miss Sarah Ables went to Jasper Saturday.

Mr. and Mrs. Smith were in Jasper Saturday.

Job printing of the neatest and best kind promptly done at this office.

Nick Falfur has moved to the place recently occupied by James Ables.

W. S. Pryor's school closed Monday. Reason, too cold to teach in the open air.

A Baptist preacher by the name of Ashley held services at the church Monday evening.

James Spears has moved his family to the Mansfield house just vacated by Nick Falfur.

Henry Kent and W. C. Hill went to Whitwell Sunday, and found the atmosphere slightly moist.

The Annual Meeting of the Manufacturing Company has been continued until Tuesday, Nov. 11, at 4 p. m.

The Western Union Telegraph construction train was here this week putting up new wires and cross pieces.

A. W. Lewis, of Victoria, went to Nashville to hear Bryan speak and came back boiling over with enthusiasm for his candidate.

Through the courtesy of Mr. Hammock the Junior Editor enjoyed a ride to Jasper Saturday to hear Moon and Marchbanks.

Messrs Dykes and Waddell will address the voters of Sequachee at the School house Wednesday, Oct. 21, 1 p. m. All are requested to attend.

J. M. Ables moved last Tuesday week to his farm at Dunlap. Lum Houts, his son-in-law, assisted him to move and returned Wednesday night.

E. W. McCurry, of Brownsville, was in Jasper Saturday, and pleasantly remembered the News. His school will continue about six weeks longer.

Miss Kate Lewis, of Victoria, attended the speaking at Jasper, Saturday. She says Moon's effort was the most studied piece of oratory she ever heard.

Gustafson Bros., have been casting this week some brass rods and bearing boxes for engine 33 belonging to the T. C. I. Co., stationed at South Pittsburg.

Rev. Jacob Houts has bought a pure bred bull pup. The boys say he has so many weddings down his way that he has taken this as a remedy to keep them away.

R. J. Brown, Chris. Wagner, C. H. Davidson and a host of other Sequachee-ites listened to Moon and Marchbanks Saturday and still we can't have a voting place here.

Marchbanks said that if you took off the hat of a gold bug and examined his head you would find a soft spot in the centre of the top of it which denoted that he had either just come from, or was going to a lunatic asylum. Several of Jasper's leading citizens were examined in that way at once.

Our friend, Mrs. Norris, is in great trouble because someone appropriated her glasses without leave. They were gold-bound spectacles which she has had for twelve years and she thought a great deal of them.

A drummer representing Christian Peper, the great tobacco manufacturer of St. Louis, who employs 1500 men was in town Tuesday. He reported a good business, having sold over 400 pounds at Jasper Monday.

A. J. Payne, of Chattanooga, is visiting his cousin, Lum Houts. Mr. Payne is a painter by trade and while he is in town Lum is going to have him paint his house in the prettiest style that paint or money can make it.

Austin Coppinger caught three coons last Wednesday week, two Thursday, two Friday morning, and at last reports was seen going to the mountain with his eyes wide open and declaring that he was going to get them all or perish in the attempt.

There is a movement on foot to raise enough money to get the election returns and news delivered complete in this town election night. Put your hands down into your pockets, gentlemen, and a little all around will tell you a good many things you never dreamed of.

Will Burnett captured a coon last week above Austin Coppinger's that weighed nearly twenty pounds when dressed. Last Saturday night in Sweeten's cove he caught four coons and a possum, and another coon Monday morning before he left. How's that for coon and possum hunting?

We do not know what ails our fool cherry tree, but it keeps on blooming and has blossoms and cherries at the same time. We do not know what is the cause except that it may be put down to a case of over confidence. It cannot be the Wilson Bill, perhaps it caused by the other Bills which are now worrying people to vote for them.

Mr. Sherman is making arrangements to put in at least 100 acres of land in wheat this fall. This is right. The lands have been corned to death almost. It is of great importance that the land should be kept up and to keep on letting the lands be made weaker and poorer is not good policy.

He also contemplates putting in some strawberries which would be a good thing for the place and section. Hamilton County, has hundreds of acres, Marion none. Why not?

Hon. Woodbury L. Melcher lost about two-thirds of the little finger of this left hand while moving a vinegar cask at his home Thursday. The finger was caught between the cask and iron post and crushed to a jelly.—News and Critic, Laconia, N. H.

We are sorry to learn of Mr. Melcher's accident and have no doubt he feels like the soldier of Salem, Mass., did when run over by an horse car. "Only fancy," said he, "three years' service and then be lamed by a bob-tailed horse car." In Mr. M's case it was only a barrel of vinegar.

## Killebrew On Immigration.

We are in receipt of a pamphlet on Southern Immigration issued by the N. C. & St. R. R. in the interests of the country lying contiguous to their line, which is evidently the work of Col. Killebrew, their immigration agent.

It is the first pamphlet that we have seen since we came South, which did not inflate the excellence of the country until it was like a gigantic gas bag. It calmly and deliberately tells the people what to expect and then what not to expect and some of these latter points we condense as follows: "Do not expect to get lands of the same productive capacity as those in New York State for one-tenth their value. Do not expect to have a winter so mild as to make the feeding of stock unnecessary. Do not expect to attain success without hard work."

In answer to a question which class is wanted the most, Col. Killebrew says: "I answer unhesitatingly any class that will produce. There is room for many small farmers, and there the State needs, for the further development of its rough wealth, 1,000,000 skilled laborers and artisans. As for traders and professional men, the supply is equal to the demand. Nor does this region need any more of what is called cheap labor, that is labor that can be hired at a small price to do a small amount of work in an unsatisfactory manner. We want laborers who are intelligent enough to think, and wise enough to be honest, and prudent enough to save their money and buy their own homes."

There are many good things which we would like to quote but space forbids their insertion.

There are chapters on the various crops that can be raised along the line of this railroad, on what a man can do with \$2,000, climate of the Northwestern States and Tennessee compared, on fruit raising on the Cumberland Plateau, on stock raising and a description of the new colony at Hohenwald in Lewis county. From all statements the Swiss there seem a deal more satisfied than the Grand Army veterans at Fitzgerald, Ga., and there is every reason to expect that they are right, as Tennessee is the middle ground between the North and South, and thus should have none of the extreme disadvantages of either.

## A Great Politician.

The greatest politician in the world has just been discovered. He is a Chinaman, and keeps a laundry in Patterson, N. J. Recently he decorated his shop with a flag, which on one side reads "Vote for McKinley and Hobart." This particular side faces an avenue through which many R. publicans are wont to walk. The other side bears this inscription: "Vote for Bryan, Sewall and Free Silver!" and faces a street where many Democrats pass. When asked to avow his political belief, this diplomatic Chinaman said, with a wink: "Goldie, silvie, alleesamee washee shirtee for all Melican man!"—Northwestern Chronicle.

More weddings appear to be on the docket in spite of the hard times.

SCHOOL TABLETS for sale at this office.